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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	4	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	5	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	6	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	7	MAR 02	GBFULL: New full-text patent database on STN
NEWS	8	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	9	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	10	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	11	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	12	MAR 22	PATDPASPC - New patent database available
NEWS	13	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	14	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	15	APR 04	EMBASE - Database reloaded and enhanced
NEWS	16	APR 18	New CAS Information Use Policies available online
NEWS	17	APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAplus and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.

NEWS EXPRESS	JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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  * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 13:04:24 ON 27 APR 2005

=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'REGISTRY' ENTERED AT 13:04:33 ON 27 APR 2005
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   26 APR 2005  HIGHEST RN 849322-79-8
DICTIONARY FILE UPDATES:  26 APR 2005  HIGHEST RN 849322-79-8

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TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

*************************************************************************
*                                                                       *
* The CA roles and document type information have been removed from     *
* the IDE default display format and the ED field has been added,       *
* effective March 20, 2005.  A new display format, IDERL, is now        *
* available and contains the CA role and document type information.     *
*                                                                       *
*************************************************************************

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Program Files\Stnexp\Queries\10663798.str
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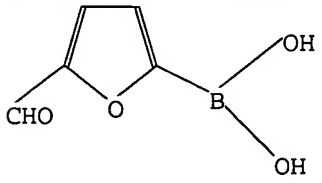

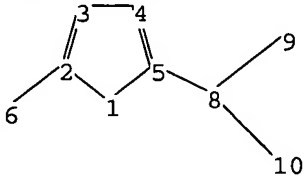


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chain nodes :
6  8  9  10
ring nodes :
1  2  3  4  5
chain bonds :
2-6  5-8  8-9  8-10
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ring bonds :
1-2 1-5 2-3 3-4 4-5
exact bonds :
1-2 1-5 2-3 2-6 3-4 4-5 5-8 8-9 8-10
isolated ring systems :
containing 1 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 8:CLASS 9:CLASS 10:CLASS

L1 STRUCTURE UPLOADED

=> s l1
SAMPLE SEARCH INITIATED 13:04:57 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE

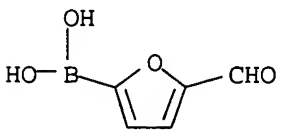
100.0% PROCESSED 3 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 3 TO 163
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> d scan

L2 1 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Boronic acid, (5-formyl-2-furanyl)- (9CI)
MF C5 H5 B O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

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FULL SEARCH INITIATED 13:05:13 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 59 TO ITERATE

100.0% PROCESSED 59 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

L3 2 SEA SSS FUL L1

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COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                       161.33     161.54

FILE 'CAPLUS' ENTERED AT 13:05:18 ON 27 APR 2005
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COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)
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FILE COVERS 1907 - 27 Apr 2005  VOL 142 ISS 18
FILE LAST UPDATED: 26 Apr 2005  (20050426/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

=> s l3
L4          37 L3

=> s l4 and (process or procedure or method or prepara? or synthes? or make or made)
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       1388029 PROCESSES
       3090537 PROCESS
                 (PROCESS OR PROCESSES)
        404194 PROCEDURE
        170572 PROCEDURES
        550244 PROCEDURE
                 (PROCEDURE OR PROCEDURES)
       2823646 METHOD
       1175438 METHODS
       3668179 METHOD
                 (METHOD OR METHODS)
       1445476 PREPARA?
       2568451 PREPN
        199205 PREPNS
       2719335 PREPN
                 (PREPN OR PREPNS)
       3485984 PREPARA?
                 (PREPARA? OR PREPN)
       1442340 SYNTHES?
        207820 MAKE
        160977 MAKES
        358304 MAKE
                 (MAKE OR MAKES)
       1144086 MADE
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            23 MADES
       1144106 MADE
                 (MADE OR MADES)
L5           35 L4 AND (PROCESS OR PROCEDURE OR METHOD OR PREPARA? OR SYNTHES?
                 OR MAKE OR MADE)

=> s l5 and base
        629096 BASE
        144862 BASES
        717643 BASE
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L6            3 L5 AND BASE

=> s l5 and boric acid
         36827 BORIC
       3968440 ACID
       1473624 ACIDS
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         34413 BORIC ACID
                 (BORIC(W)ACID)
L7            2 L5 AND BORIC ACID

=> s l5 and boric acid ester
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       3968440 ACID
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        560109 ESTER
        417664 ESTERS
        782107 ESTER
                 (ESTER OR ESTERS)
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L8            1 L5 AND BORIC ACID ESTER

=> dup rem l6 l7 l8
PROCESSING COMPLETED FOR L6
PROCESSING COMPLETED FOR L7
PROCESSING COMPLETED FOR L8
L9            4 DUP REM L6 L7 L8 (2 DUPLICATES REMOVED)

=> d l9 ibib hitstr abs 1-4

L9   ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2005 ACS on STN  DUPLICATE 1
ACCESSION NUMBER:         2004:266895  CAPLUS
DOCUMENT NUMBER:          140:271005
TITLE:                    Method of producing 5-formyl-2-furylboronic
                          acid
INVENTOR(S):              Rossen, Kai; Latinovic, Milan; Sarich, Martin;
                          Gardner, Peter; Rowell, Simon
PATENT ASSIGNEE(S):       Degussa Ag, Germany
SOURCE:                   Eur. Pat. Appl., 6 pp.
                          CODEN: EPXXDW
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:
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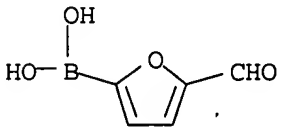
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1403271	A1	20040331	EP 2003-18657	20030821
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2004127725	A1	20040701	US 2003-663798	20030917
CA 2442252	AA	20040325	CA 2003-2442252	20030923
JP 2004115520	A2	20040415	JP 2003-331956	20030924

PRIORITY APPLN. INFO.: EP 2002-21439 A 20020925
OTHER SOURCE(S): CASREACT 140:271005
IT **27329-70-0P**, 5-Formyl-2-furylboronic acid
RL: SPN (Synthetic preparation); PREP (Preparation)
(improved **method** of **preparation** of formylfurylboronic acid from protected furaldehyde and boric acid ester)
RN 27329-70-0 CAPLUS
CN Boronic acid, (5-formyl-2-furanyl)- (9CI) (CA INDEX NAME)



AB The present invention refers to an improved **method** of producing 5-formyl-2-furylboronic acid. The **method** is carried out in a three-step **process** comprising the steps of: (a) addition of a **base** to a composition comprising a boric acid ester and 2-furaldehyde whereby the formyl functionality of the 2-furaldehyde is protected with a protective group, and (b) acidic work-up of the reaction mixture of step (a), and (c) isolation of 5-formyl-2-furylboronic acid.
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:319906 CAPLUS
DOCUMENT NUMBER: 138:321392
TITLE: **Method** for producing, via organometallic compounds, organic intermediate products
INVENTOR(S): Meudt, Andreas
PATENT ASSIGNEE(S): Clariant G.m.b.H., Germany
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003033503	A2	20030424	WO 2002-EP11042	20021002
WO 2003033503	A3	20030612		
W: CN, JP, RU, US				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR				
DE 10150615	A1	20030430	DE 2001-10150615	20011012
EP 1436300	A2	20040714	EP 2002-782812	20021002

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR, BG, CZ, EE, SK

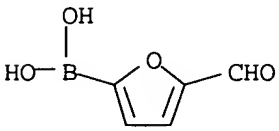
JP 2005505628	T2	20050224	JP 2003-536242		20021002
US 2004251563	A1	20041216	US 2004-491966		20040408
PRIORITY APPLN. INFO.:			DE 2001-10150615	A	20011012
			WO 2002-EP11042	W	20021002

OTHER SOURCE(S): CASREACT 138:321392; MARPAT 138:321392

IT **27329-70-0P**, 5-Formylfuran-2-boronic acid
RL: SPN (Synthetic preparation); PREP (Preparation)
(**method** for producing organic intermediate products via aryllithium organometallic compound)

RN 27329-70-0 CAPLUS

CN Boronic acid, (5-formyl-2-furanyl)- (9CI) (CA INDEX NAME)



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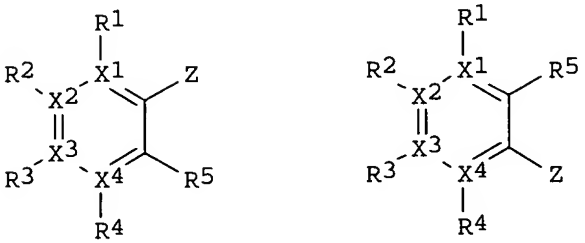
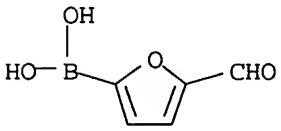


I II

AB The invention concerns a **method** for producing aryllithium compds. of formulas I (R5 = Li) and II (R5 = Li) by reacting halogenated compds. with metal lithium, to obtain a lithium compound RLi, then subsequently reacting RLi with aromatic compds. of formula I (R5 = H) and/or II (R5 = H) with deprotonation and formation of aromatic products of lithium. Step 1: producing the **base**; step 2: deprotonation of the substrate; formulas RLi (R = Me, primary, secondary or tertiary alkyl radical containing 2-12 carbon atoms, alkyl substituted by a radical from the group (Ph, substituted Ph, aryl, heteroaryl, alkoxy, dialkyamino, alkylthio) or (un)substituted cycloalkyl containing 3-8 carbon atoms). In I and II (X1-X4 = independently represent a carbon, the group X1-X4R1-R4 may represent a nitrogen, or two neighboring X1-X4R1-R4 may together represent O, S, NH of NR', wherein R' represents C1-C5 alkyl, SO2-p-tolyl or benzoyl; the radicals R1-R4 and the radical Z represent substituents of the group {hydrogen, Me, substituted cyclic or acyclic primary, secondary or tertiary alkyl radicals containing 2-12 carbon atoms, substituted cyclic or acyclic alkyl groups, alkoxy, dialkylamino, arylamino, diarylamino, Ph, substituted Ph, alkylthio, diarylphosphino, dialkylphosphino, dialkyl or diarylaminocarbonyl, monoalkyl- or monoarylaminocarbonyl, CO2-, hydroxyalkyl, alkoxyalkyl, fluorine, chlorine, CN or heteroaryl}, the two

neighboring R1-R4 radicals capable of forming together an aromatic or aliphatic cycle). Thus, reaction of a mixture of chlorocyclohexane and resorcinol di-Me ether with lithium in THF followed by treatment with B(OMe)3 and acidic workup gave 96% 2,6-dimethoxyphenylboronic acid.

L9 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2001:172614 CAPLUS
DOCUMENT NUMBER: 134:340425
TITLE: Suzuki reaction of vinyl triflates from six- and seven-membered N-alkoxycarbonyl lactams with boronic acids and esters
AUTHOR(S): Occhiato, Ernesto G.; Trabocchi, Andrea; Guarna, Antonio
CORPORATE SOURCE: Dipartimento di Chimica Organica U. Schiff and Centro di Studio sulla Chimica e la Struttura dei Composti Eterociclici e Loro Applicazioni, Universita di Firenze, Florence, I-50121, Italy
SOURCE: Journal of Organic Chemistry (2001), 66(7), 2459-2465
CODEN: JOCEAH; ISSN: 0022-3263
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 134:340425
IT **27329-70-0**
RL: RCT (Reactant); RACT (Reactant or reagent)
(palladium-catalyzed Suzuki cross-coupling of N-alkoxycarbonyl lactam vinyl triflates with boronic acids and esters to give pyridine and azepine derivs.)
RN 27329-70-0 CAPLUS
CN Boronic acid, (5-formyl-2-furanyl)- (9CI) (CA INDEX NAME)



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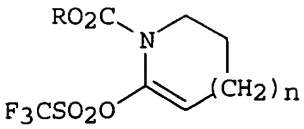

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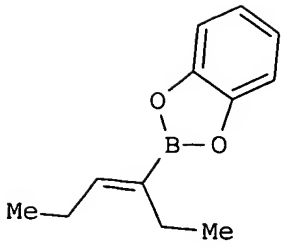

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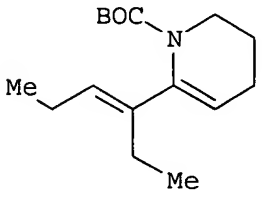

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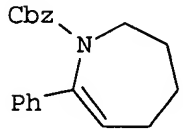

IV

AB The Pd(0)-catalyzed reaction of vinyl triflates I (R = CMe3, CH2Ph, n = 1; R = CH2Ph, n = 2) from N-alkoxycarbonyl lactams with different boron compds. has been studied. The coupling reaction of alkenylboronates, e.g. II, and arylboronic acids, e.g. PhB(OH)2, with six- and seven-membered lactam-derived N-alkoxycarbonyl vinyl triflates was feasible under very mild conditions in THF-water employing (Ph3P)2PdCl2 as a catalyst and Na2CO3 as a **base**, which provided in high yields the corresponding 6- or 7-substituted N-alkoxycarbonyl-3,4-dihydro-2H-pyridines, e.g. III, and N-alkoxycarbonyl-2,3,4,5-tetrahydroazepines,e.g. IV. Allylboronates reacted slower but, with vinyl triflates from δ-valerolactam, still gave acceptable yields of the coupling product. Alkylboronic acids required different reaction conditions, in particular the presence of Ag2O together with a **base** in anhydrous toluene and (dppf)PdCl2 as a catalyst, affording the corresponding 6-alkyl-N-alkoxycarbonyl-3,4-dihydro-2H-pyridines in high yields.

REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1996:497113 CAPLUS
DOCUMENT NUMBER: 125:142773
TITLE: Novel benzyl pyrimidines with antibacterial activity.
INVENTOR(S): Guerry, Philippe; Jolidon, Synese; Masciadri, Raffaello; Stalder, Henri; Then, Rudolf
PATENT ASSIGNEE(S): F. Hoffmann-La Roche Ag, Switz.
SOURCE: PCT Int. Appl., 136 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9616046	A2	19960530	WO 1995-EP4451	19951113
WO 9616046	A3	19960725		

W: AL, AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP,

KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL,
RO, RU, SG, SI, SK, TJ, TM, TT, UA, US, UZ, VN
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR,
NE, SN, TD, TG

CA 2205406	AA	19960530	CA 1995-2205406		19951113
AU 9641161	A1	19960617	AU 1996-41161		19951113
AU 704911	B2	19990506			
EP 793656	A1	19970910	EP 1995-939267		19951113
EP 793656	B1	20030326			
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CN 1166831	A	19971203	CN 1995-196398		19951113
CN 1136197	B	20040128			
HU 77372	A2	19980330	HU 1997-1973		19951113
BR 9509768	A	19980707	BR 1995-9768		19951113
JP 11507009	T2	19990622	JP 1996-516521		19951113
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AT 235471	E	20030415	AT 1995-939267		19951113
PT 793656	T	20030731	PT 1995-939267		19951113
ES 2193205	T3	20031101	ES 1995-939267		19951113
US 5763450	A	19980609	US 1997-836857		19970521
FI 9702194	A	19970522	FI 1997-2194		19970522
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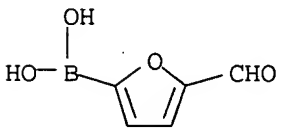
NO 308845	B1	20001106			
PRIORITY APPLN. INFO.:			CH 1994-3536	A	19941124
			CH 1995-2704	A	19950925
			WO 1995-EP4451	W	19951113

OTHER SOURCE(S): MARPAT 125:142773

IT **27329-70-0P**, 2-Formylfuran-5-**boric acid**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; **preparation** of novel benzylpyrimidines as antibacterials)

RN 27329-70-0 CAPLUS

CN Boronic acid, (5-formyl-2-furanyl)- (9CI) (CA INDEX NAME)



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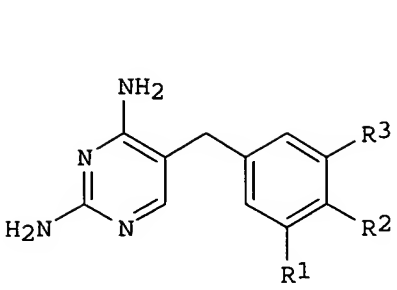

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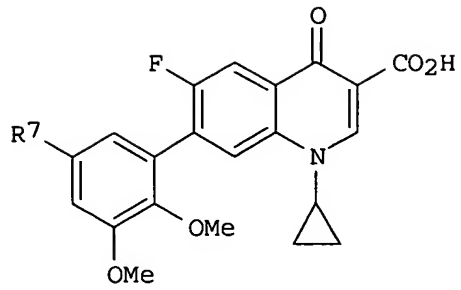
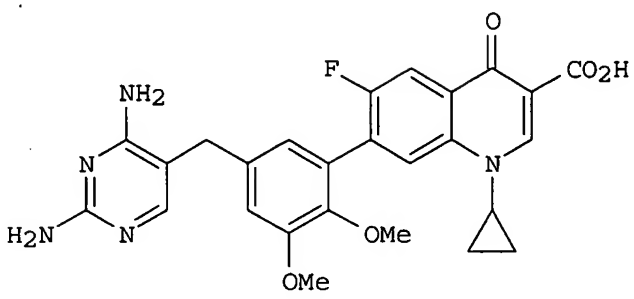


II



III

AB Substituted 5-benzyl-2,4-diaminopyrimidines of formula I [R1 = alkoxy; R2 = Br or alkoxy; R3 = aryl, heteroaryl, QR4; Q = CH2CH2, CH:CH, C.tplbond.C; R4 = aryl, heteroaryl, alkoxycarbonyl, or carbamoyl], and their readily hydrolyzable esters and pharmaceutically acceptable salts, can be used in the control or prevention of infectious diseases. **Prepns.** of approx. 250 example compds. and many intermediates are described, plus bioassay results for selected compds. against 3 organisms. For example, quinoline derivative II [R7 = CHO] was condensed with PhNHCH2CH2CN in DMSO in the presence of KOBu-tert to give 98% II [R7 = PhNHCH:C(CN)CH2]. This was then cyclocondensed with guanidine-HCl in EtOH in the presence of KOBu-tert to give 44% title compound III, which was isolated as the trifluoroacetate (IV). IV inhibited purified dihydrofolate reductase (DHFR) of Staphylococcus aureus ATCC 25923 and S. aureus 157/4696 with IC50 values of 0.0009 and 0.0500 μM, resp., vs. 0.0340 μM for trimethoprim. IV also had IC50 of 0.0190 μM against DHFR of Pneumocystis carinii, vs. 43.0 μM for trimethoprim.

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	47.03	208.57

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.92	-2.92

STN INTERNATIONAL LOGOFF AT 13:08:40 ON 27 APR 2005